

Application No.: 09/217,035
10/25/2001

6. A method for compacting a diffuse gray edge, comprising the steps of: The method according to claim 1

identifying an observation window within continuous tone image data, said observation window including a target pixel; and
compacting vertical features within said observation window, wherein said
step of compacting vertical features comprises:
determining if said target pixel is within a diffuse vertical edge;
shifting gray from a first pixel (A) that is not adjacent to a saturated
pixel to a second pixel (B) that is adjacent to a saturated pixel; and
updating a pixel value in response to said shifting step.

8. A method for compacting a diffuse gray edge, comprising the steps of:
identifying an observation window within continuous tone image data, said observation window including a target pixel;
compacting horizontal features within said observation window;
compacting vertical features within said observation window; and
compacting corner features within said observation window The method according to claim 1, wherein:

said step of compacting horizontal features modifies said target pixel and a first pixel adjacent said target pixel by shifting gray between said target pixel and said first pixel when said target pixel is within a diffuse horizontal edge;
said step of compacting vertical features modifies said target pixel and a second pixel adjacent said target pixel by shifting gray between said target pixel and said second pixel when said target pixel is within a diffuse vertical edge; and
said step of compacting corner features modifies a pixel within said compaction window when said target pixel is within a diffuse corner.

10. A method for compacting a diffuse gray edge, comprising the steps of ~~The~~
~~method according to claim 1, wherein said step of compacting corner features~~
~~comprises:~~

Identifying an observation window within continuous tone image data, said
observation window including a target pixel;

determining if said target pixel is within a diffuse corner;
shifting gray from a first pixel (A) that is not adjacent to a saturated pixel to
a second pixel (B) that is adjacent to a saturated pixel; and
updating a pixel value in response to said shifting step.